

P24344.A04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Gyu Ha CHOE

Group Art Unit:

Appln. No. : 10/724,616

Filed : December 2, 2003

For : SYSTEM AND METHOD FOR IMPLEMENTING SOLAR CELL

**RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS AND  
PETITION FOR ACCEPTANCE OF ORIGINALLY FILED APPLICATION**

U.S. Patent and Trademark Office  
220 20th Street S.  
Customer Window, Mail Stop Missing Parts  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

Sir:

In Response to the Notice to File Corrected Application Papers dated July 2, 2004, in which a two-month period for response was set to expire on September 2, 2004, Applicant submits 10 sheets of replacement drawings containing Figs. 1 - 9 as originally filed..

Applicant also submits that Figure 3a (described in the Specification) was included in the application as originally filed. In particular, Applicant has attached hereto copies of Fig. 3a as filed, the Utility Patent Application Transmittal, the application filing receipt stamped by the U.S. Patent and Trademark Office with a date of December 2, 2003, and the post card receipt. Applicant notes that the copies of the application filing receipt and post card receipt acknowledge receipt of 25 pages (with abstract), as well as 10 sheets of drawings and 10 figures. It is noted that the initialed

09/03/2004 SDENBOB1 00000022 10724616

01 FC:1460

130.00 0P

- 1 -

P24344.A04


corrections on the receipts were made before the application was filed and correspond to the number of sheets of drawings indicated on the Transmittal and the number of sheets of drawings which were actually filed. Applicant also notes that Figs. 3a and 3b are on individual sheets of drawings but both sheets are labeled "3/9", and therefore 10 total sheets were originally filed.

Accordingly, Applicant respectfully submits that Figure 3a was in fact deposited in the U.S. Patent and Trademark Office (USPTO) with the nonprovisional application papers, as evidenced by the information provided above and attached hereto.

The instant petition is accompanied by the fee of \$130.00 set forth under 37 C.F.R. §1.17(h). Please charge any additional fee deemed necessary for processing the present petition to Deposit Account No. 19-0089. Also, upon granting the petition, please issue a refund check payable to the law firm of the undersigned.

Should there be any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully submitted,  
Gyu Ha CHOE

  
Bruce H. Bernstein  
Reg. No. 29,027

*per 10*  
*33,329*

September 2, 2004  
GREENBLUM & BERNSTEIN, P.L.C.  
1950 Roland Clarke Place  
Reston, Virginia 20191  
(703) 716-1191



COPY

**P24344**

RECEIVED IN THE UNITED STATES PATENT AND TRADEMARK OFFICE:

One New Patent Application in the name of **Gyu Ha CHOE**

entitled: **SYSTEM AND METHOD FOR IMPLEMENTING VIRTUAL SOLAR CELL**

Specification: 25 pages with abstract.

Sheets of Drawings: ~~8 with 8 figures~~ *10 with 10 figures*

Number of Claims: 10 claims with 2 independent.

Cover Letter Regarding Executed Application. 03917 U.S. PTO *12/2/03*

Small Entity Status by Assertion. **10/724616**

Executed Declaration & Power of Attorney.

Executed Assignment w/ cover sheet

Claim of Priority & Certified Copy of Korean Application No. 10-2003-0061685

Utility Transmittal

Fee Transmittal

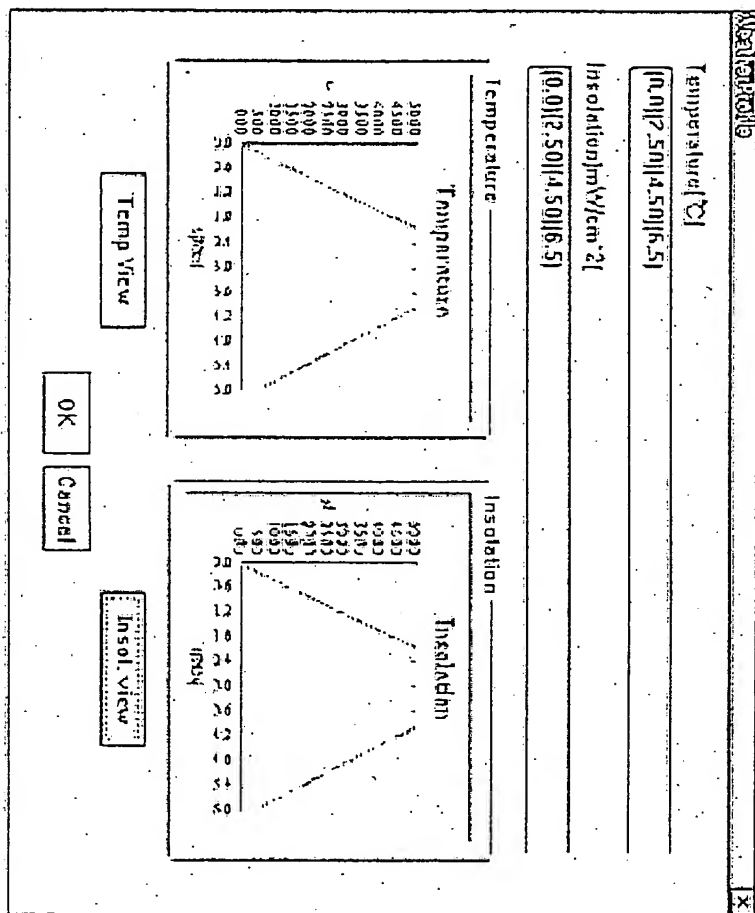
One Check in the amount of \$425.00 to cover the filing/recordation fee.

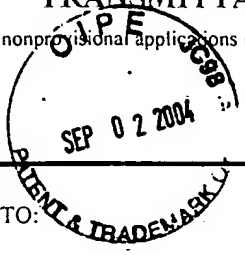
BEST AVAILABLE COPY



3/9  
Fl. 3A

COPY



P24344.P01 <div style="text-align: center;"> <b>UTILITY PATENT APPLICATION TRANSMITTAL</b>   </div> (Only for new nonprovisional applications under 37 CFR 1.53(b))	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Attorney Docket No.</td> <td style="width: 33%;">P24344</td> <td style="width: 33%;">Total Pages</td> </tr> <tr> <td colspan="3">Inventor(s) or Applicant Identifier</td> </tr> <tr> <td colspan="3">Gyu Ha CHOE</td> </tr> <tr> <td colspan="3">Title: SYSTEM AND METHOD FOR IMPLEMENTING VIRTUAL SOLAR CELL</td> </tr> </table>	Attorney Docket No.	P24344	Total Pages	Inventor(s) or Applicant Identifier			Gyu Ha CHOE			Title: SYSTEM AND METHOD FOR IMPLEMENTING VIRTUAL SOLAR CELL		
Attorney Docket No.	P24344	Total Pages											
Inventor(s) or Applicant Identifier													
Gyu Ha CHOE													
Title: SYSTEM AND METHOD FOR IMPLEMENTING VIRTUAL SOLAR CELL													
ADDRESS TO: <b>Commissioner for Patents Mail Stop Patent Application PO Box 1450 Alexandria, VA 22313-1450</b> <div style="text-align: right; font-size: 2em; opacity: 0.5;">COPY</div>													
APPLICATION ELEMENTS	ACCOMPANYING APPLICATION PARTS												
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing)</li> <li>2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> Small Entity Statement(s)</li> </ol> </li> <li>3. <input checked="" type="checkbox"/> Specification [Total Pages <u>25</u>] (preferred arrangement set forth below)             <ul style="list-style-type: none"> <li>- Descriptive title of the Invention</li> <li>- Cross References to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> </li> <li>4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <u>10</u>]</li> <li>5. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages <u>3</u>]             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> Newly executed (original or copy) <input type="checkbox"/> Unexecuted</li> <li>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 20 completed) [Note Box 6 below]                 <ol style="list-style-type: none"> <li>i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li> </ol> </li> </ol> </li> <li>6. <input type="checkbox"/> Incorporation By Reference (useable if Box 5b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</li> <li>7. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</li> <li>8. <input type="checkbox"/> CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix)</li> </ol>	<ol style="list-style-type: none"> <li>9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Form (CRF)</li> <li>b. Specification Sequence Listing on:                 <ol style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> paper</li> </ol> </li> <li>c. <input type="checkbox"/> Statements verifying identity of above copies</li> </ol> </li> <li>10. <input checked="" type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</li> <li>11. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney</li> <li>12. <input type="checkbox"/> English Translation Document (if applicable)</li> <li>13. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</li> <li>14. <input type="checkbox"/> Preliminary Amendment</li> <li>15. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</li> <li>16. <input checked="" type="checkbox"/> Figure of Drawing to be published <u>2</u></li> <li>17. <input checked="" type="checkbox"/> Foreign priority claimed             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> Claim of Priority</li> <li>b. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s)</li> </ol> </li> <li>18. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b) (2) (B) (i). Applicant must attach form PTO/SB/35 or its equivalent.</li> <li>19. <input checked="" type="checkbox"/> Assignee: <u>KONKUK UNIVERSITY</u> <u>of Seoul, Republic of Korea</u></li> <li>20. <input checked="" type="checkbox"/> Other: <u>Cover Letter Regarding Executed Application</u></li> </ol>												
21. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 C.F.R. 1.76: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior Application No. _____ / _____, filed _____. Prior application information: Examiner: _____ Group Art Unit: _____													

Address all future correspondence to **Customer No. 7055** at the present address of:

**GREENBLUM & BERNSTEIN, P.L.C.**  
 1950 Roland Clarke Place  
 Reston, VA 20191  
 (703) 716-1191

Date \_\_\_\_\_

Signature \_\_\_\_\_

Bruce H. Bernstein, Reg. No. 29,027  
 Typed or Printed Name



GREENBLUM & BERNSTEIN, P.L.L.C.  
Intellectual Property Causes  
1950 Roland Clarke Place  
Reston, VA 20191  
(703) 716-1191

COPY

12/01/2003

File In: MAILROOM

The Patent Office Date stamp hereon is an acknowledgement that, on the date indicated, the Patent Office received the following:

- |   |   |
|---|---|
| <input type="checkbox"/> Amendment  | <input checked="" type="checkbox"/> Claim of Priority & Certified Copy of <u>KR APPL. No. 10-2003-0061685</u> |
| <input checked="" type="checkbox"/> Executed Assignment and cover letter<br><input type="checkbox"/> by facsimile | <input checked="" type="checkbox"/> Declaration <input type="checkbox"/> Supplemental                         |
| <input type="checkbox"/> Executed S.E.S. <input checked="" type="checkbox"/> S.E.S. Assertion                     | <input checked="" type="checkbox"/> New <input type="checkbox"/> Unexecuted                                   |
| <input type="checkbox"/> Req. for Ext. of Time  | <input checked="" type="checkbox"/> Executed <del>by facsimile</del>  |
| <input checked="" type="checkbox"/> Fee Filing <input type="checkbox"/>   | <input type="checkbox"/> Transmittal Letter   |
| Recording <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> Patent Application  |
| Issue <input type="checkbox"/>  | <input type="checkbox"/> Provisional <input type="checkbox"/> Reexam  |
| Extension <input type="checkbox"/>  | <input type="checkbox"/> Reissue <input type="checkbox"/> Design  |
| <input checked="" type="checkbox"/> Fee Transmittal   | <input type="checkbox"/> Continuation <input type="checkbox"/> CIP  |
| <input type="checkbox"/> Maintenance Fee Payment  | <u>25</u> pages (w/abstract)  |
| <input type="checkbox"/> PTOL-85B Issue Fee   | <u>10</u> claims <u>2</u> independent   |
| <input type="checkbox"/> Letter to Draftsman (in trip.)   | <u>108</u> sheets of drawings   |
| <input type="checkbox"/> Design Patent Application Transmittal  | <u>108</u> figures  |
| <input checked="" type="checkbox"/> Utility Patent Application Transmittal  | I.D.S. form PTO-1449 &  |
| <input type="checkbox"/> Provisional Application Cover Sheet  | References <input type="checkbox"/> as attached   |
| <input type="checkbox"/> Continued Prosecution Application  | <input type="checkbox"/> as listed on   |
| (CPA) Request Transmittal   | reverse   |
| <input type="checkbox"/> Request for Continued Examination (RCE)  | <input checked="" type="checkbox"/> One self-addressed postcard   |
| including submission  | <input type="checkbox"/> Certification under 1.97(e)  |
| <input checked="" type="checkbox"/> Cover Letter <u>REGARDING EXECUTED APPLICATION</u>                            | <input type="checkbox"/> Certificate of Mailing (C-O-M)   |
| <input checked="" type="checkbox"/> Check No. 47961 for \$ 425.00   | <input type="checkbox"/> Returned Envelope  |
| <input type="checkbox"/> Rule 53b and 53f Letter for Unexecuted Application                                       |   |



12/1/03  
12:16 PM

In the matter of : SYSTEM AND METHOD FOR IMPLEMENTING VIRTUAL SOLAR CELL

Applicant : Gyu Ha CHOE

Application No. : NOT YET ASSIGNED

Patent No. :

Filed : CONCURRENTLY HEREWITH

Issued :

Docket : P24344

TL